

**Amendments to the Specification:**

Please replace paragraph [0036] with the following rewritten paragraph:

[0036] According to the present invention, it becomes possible to stabilize the low-speed feeding of a ~~probe 8~~probe 12 without additionally providing a new mechanism, such as a motor rotation detecting rotary encoder and a tachometer generator, and measure the size of a workpiece 8 with low measuring power. Therefore, it becomes possible to omit a regulation operation during the assembling of the probe driving mechanism by abolishing the provision of, for example, a pulse width control knob, and thereby reduce the cost of manufacturing the driving mechanism and the dimensions thereof.